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1 Security distribution for Linux clusters
Ibrahim Haddad, Miroslaw Zakrzewski
April 2004 **Linux Journal** , Volume 2004 Issue 120
Publisher: Specialized Systems Consultants, Inc.
Full text available: 📄 Html (23.65 KB)   Additional Information: full citation, abstract

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Extend Linux Security Modules to enforcesecurity rules across many systems.

2 Risks to the public
Peter G. Neumann
November 2006 **SIGSOFT Software Engineering Notes** , Volume 31 Issue 6
Publisher: ACM
Full text available: 📄 Pdf (374.71 KB)   Additional Information: full citation, abstract

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Edited by Peter G. Neumann (Risks Forum Moderator and Chairman of the ACM
Committee on Computers and Public Policy), plus personal contributions by others, as
indicated. Opinions expressed are individual rather than organizational, and all of the
usual …

3 Secure program execution via dynamic information flow tracking
G. Edward Suh, Jae W. Lee, David Zhang, Srinivas Devadas
December 2004 **ASPLOS-XI**: Proceedings of the 11th international conference on
Architectural support for programming languages and operating systems
Publisher: ACM
Full text available: 📄 Pdf (263.33 KB)   Additional Information: full citation, abstract, references, cited by, index
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We present a simple architectural mechanism called dynamic information flow tracking
that can significantly improve the security of computing systems with negligible
performance overhead. Dynamic information flow tracking protects programs against
malicious …

Keywords: buffer overflow, format string, hardware tagging

Also published in:
November 2004 **SIGPLAN Notices**   Volume 39 Issue 11

December 2004 **SIGOPS Operating Systems Review**   Volume 38 Issue 5
December 2004 **SIGARCH Computer Architecture News** Volume 32 Issue 5

4 Modelling and Performability Analysis of Network Memory Servers
O Gemikonakli, G Mapp, D Thakker, E Ever
April 2006 **ANSS '06:** Proceedings of the 39th annual Symposium on Simulation
Publisher: IEEE Computer Society
Full text available: Pdf (388.52 KB) Additional Information: full citation, abstract, references, index terms

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This paper presents an analytical method for the performability evaluation of a proposed
network memory server attached to a local area network. The proposed server is
expected to improve data storage and retrieval. However, the underlying network will ..

5 Enhancing security through hardware-assisted run-time validation of program data
properties
Divya Arora, Anand Raghunathan, Srivaths Ravi, Niraj K. Jha
September 2005 **CODES+ISSS '05:** Proceedings of the 3rd IEEE/ACM/IFIP international
                conference on Hardware/software codesign and system synthesis
Publisher: ACM
Full text available: Pdf (194.54 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 37, Citation Count: 0

The growing number of information security breaches in electronic and computing
systems calls for new design paradigms that consider security as a primary design
objective. This is particularly relevant in the embedded domain, where the security
solution ...

Keywords: data tagging, run-time checks, secure architectures

6 Security enhanced mobile agents
Vijay Varadharajan
November 2000 **CCS '00:** Proceedings of the 7th ACM conference on Computer and
                communications security
Publisher: ACM
Full text available: Pdf (393.46 KB) Additional Information: full citation, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 87, Citation Count: 5

Keywords: mobile agents, secure agent based application, security model

7 Security in embedded systems: Design challenges
Srivaths Ravi, Anand Raghunathan, Paul Kocher, Sunil Hattangady
August 2004 **Transactions on Embedded Computing Systems (TECS)** , Volume 3 Issue 3
Publisher: ACM
Full text available: Pdf (3.67 MB) Additional Information: full citation, abstract, references, cited by, index
                                                terms, review

Bibliometrics: Downloads (6 Weeks): 180, Downloads (12 Months): 1089, Citation Count: 22

Many modern electronic systems---including personal computers, PDAs, cell phones,
network routers, smart cards, and networked sensors to name a few---need to access,

store, manipulate, or communicate sensitive information, making security a serious concern ...

Keywords: Embedded systems, architecture, authentication, battery life, cryptographic algorithms, decryption, encryption, hardware design, processing requirements, security, security attacks, security protocols, tamper resistance

8 Testudo: Heavyweight security analysis via statistical sampling
Joseph L. Greathouse, Ilya Wagner, David A. Ramos, Gautam Bhatnagar, Todd Austin, Valeria Bertacco, Seth Pettie
November 2008 **MICRO '08: Proceedings of the 2008 41st IEEE/ACM International Symposium on Microarchitecture - Volume 00** , Volume 00
Publisher: IEEE Computer Society
Full text available: Pdf (915.23 KB)   Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 1,   Downloads (12 Months): 1,   Citation Count: 0

Heavyweight security analysis systems, such as taint analysis and dynamic type checking, are powerful technologies used to detect security vulnerabilities and software bugs. Traditional software implementations of these systems have high instrumentation ...

9 Secure RFID authentication scheme for EPC class Gen2
Dae-Hee Seo, Jang-Mi Baek, Dong-sub Cho
February 2009 **ICUIMC '09:** Proceedings of the 3rd International Conference on Ubiquitous Information Management and Communication
Publisher: ACM
Full text available: Pdf (259.24 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 6,   Downloads (12 Months): 6,   Citation Count: 0

Recently, much research has been actively conducted for a new kind of network environment ubiquitous computing. This paper will define the essential technology called "ad hoc network" and the "RFID technology" required by a ubiquitous environment. Therefore, ...

Keywords: RFID, authentication, security

10 Integrated radio frequency identification and wireless sensor network architecture for automated inventory management and tracking applications
Mark L. McKelvin, Jr., Mitchel L. Williams, Nina M. Berry
October 2005 **TAPIA '05:** Proceedings of the 2005 conference on Diversity in computing
Publisher: ACM
Full text available: Pdf (95.18 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 17,   Downloads (12 Months): 114,   Citation Count: 0

We provide a system architecture that applies radio frequency identification and wireless sensor network technologies to automate inventory management and tracking of commercial assets. A set of environment parameters are considered as a result of the ...

Keywords: TinyOS, asset management and tracking, radio frequency identification,

wireless sensor networks